

VIDEO INTERLACING USING OBJECT MOTION ESTIMATION

Abstract of the Disclosure

One embodiment disclosed relates to the use of object motion estimation to interlace a progressive video sequence. One of a plurality of consecutive frames is segmented and motion vectors for each segment are determined through object motion estimation. Interpolated motion vectors are used to construct at least one intermediate frame, and interlaced fields are extracted from the new sequence of frames that includes intermediate frames. An interlaced sequence with smooth, incremental motion is thus constructed from a progressive video sequence.